

OCTOBER 2004

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The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for

## DOE BULLETIN BOARD

*Short-Term Energy Outlook, Energy Information Administration (EIA), October 2004*

Residential space-heating expenditures are expected to increase for all fuel types compared to last year's levels. Heating fuels prices probably will increase compared to last year, even in regions with a decrease in fuel demand. Compared to last year, prices are expected to be 29 percent higher for heating oil, 17 percent higher for propane, and 11 percent higher for natural gas. More detailed information on winter fuels projected from present to March 2005 is available in *The Winter Fuels Outlook: 2004-2005*, available at <http://www.eia.doe.gov/emeu/steo/pub/pdf/wi0405.pdf>.

The West Texas Intermediate (WTI) spot price for crude oil remains above \$45 per barrel. Prices are high despite the Organization of Petroleum Exporting Countries (OPEC) gaining increased production by Iraq and producing the highest oil production since quotas were established in 1982 at 30 million barrels per day. Oil inventories are below normal throughout industrialized countries due to loss of almost 500,000 barrels per day of production during the September hurricanes in the Gulf of Mexico. WTI does not expect prices to recover from the recent loss for 45-90 days. Low inventories worldwide indicate that oil prices are unlikely to fall below \$40 per barrel until the end of 2005. As a result of high crude oil costs, motor gasoline will not achieve any large reductions. Currently motor gasoline is expected to average \$1.89 per gallon in the fourth quarter of the year.

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## CONGRESSIONAL ACTIVITIES

### CONGRESSIONAL SCHEDULE

Congress is expected to return to session after the November 2 elections to complete pending business (e.g., FY 2005 appropriations bills).

### STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

- Refer to [Appendix A](#) for New Legislation of Interest to FEMP.

***Comprehensive Energy Legislation*** No further action has been taken on this legislation.

***Energy Savings Performance Contracting***  
*H.R. 4200 – FY 2005 Defense Authorization Act* passed Congress and was presented to the President for his signature on October 21. The President is expected to sign the bill, which includes a provision reauthorizing the Federal use of ESPCs to finance energy management projects until October 1, 2006. For details on the ESPC provision in the bill, refer to the October 12 issue of *INSIGHTS: 108<sup>th</sup> Congress* at <http://www.eere.energy.gov/femp/newsevents/insights108.cfm>.

### FY 2005 BUDGET RESOLUTION AND FY 2005 APPROPRIATIONS

To date, Congress has passed and the President has signed into law, four of the 13 annual FY 2005 appropriations bills; three of the bills are of interest to readers of *INSIGHTS*:

- *P.L. 108-287 - FY 2005 Defense Appropriations*
- *P.L. 108-334 - FY 2005 Homeland Security Appropriations*
- *P.L. 108-324 - FY 2005 Military Construction Appropriations*

- Refer to [Appendix B](#) for the Status of Pending Appropriations Bills.
- Refer to [Appendix C](#) for a Summary of the Provisions of Interest on pending Appropriations Bills.

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## FEDERAL AGENCY ACTIVITIES

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### DEPARTMENT OF DEFENSE (DOD)

*No news of interest to report.*

### DEPARTMENT OF ENERGY (DOE)

**The Office of Energy Efficiency and Renewable Energy's (EERE) State Energy Advisory Board (STEAB) has scheduled a public meeting for November 18 – 19, 2004, in Albuquerque, New Mexico.** The tentative agenda includes the following issues:

- EERE Programmatic Update
- EERE Technology Deployment Strategy Update
- STEAB Annual Report
- STEAB Strategic Plan
- Discussion and Tour of Sandia Solar Test Facilities

For additional information on STEAB and the November public meeting, contact Gary Burch at 202-586-0081.

**EERE's Building Technologies Program has announced in the *Federal Register* four final rulemaking for the following commercial and industrial equipment:**

- Test Procedures and Energy Efficiency Standards for Commercial Air Conditioners and Heat Pumps (Direct Final Rule published October 21, 2004; refer to pages 61962 – 61974)
- Test Procedures and Efficiency Standards for Commercial Packaged Boilers (Final Rule published October 21, 2004; refer to pages 61949 – 61962)

- Test Procedures and Efficiency Standards for Commercial Water Heaters, Hot Water Supply Boilers, and Unfired hot Water Storage Tanks (Direct Final Rule published October 21, 2004; refer to pages 61974 – 61985)
- Test Procedures and Efficiency Standards for Commercial Warm Air Furnaces; General Provisions for Commercial Heating, Air Conditioning and Water Heating Equipment; Energy Efficiency Provisions for Electric Motors (Final Rule published October 21, 2004; refer to pages 6195 – 61949)

To obtain additional information on the rule makings, contact Mohammed Khan at 202-586-7892 or [Mohammed.Khan@ee.doe.gov](mailto:Mohammed.Khan@ee.doe.gov).

### DOE NATIONAL LABORATORY ACTIVITIES

*No news of interest to report.*

### ENVIRONMENTAL PROTECTION AGENCY (EPA)

**The EPA has awarded a \$1 million grant to the Building Performance Institute (BPI) Inc. of Malta, New York.** The grant will be used to advance the development of a national infrastructure of certified technicians and accredited contractors involved in building energy efficiency improvements. BPI is expected to expand technician efforts testing, set additional standards for heating and cooling systems, and enhance the institute's quality assurance requirements. (Source: *Environmental News Service*, October 11, 2004)

### FEDERAL ENERGY REGULATORY COMMISSION (FERC)

**FERC is hosting a technical conference, “Assessing the State of Wind Energy in Wholesale Electric Markets,” on December 1, 2004 in Denver, Colorado.** The conference will explore policy changes needed to allow for greater participation of wind energy in wholesale markets. Tentative topics for discussion include: reform to transmission service options under open access transmission tariffs for better accommodation of intermittent power sources, evaluation of the current methodology for determining imbalance charges unduly charges intermittent resources, role of regional transmission planning processes, inclusion of wind energy in state resource adequacy plans and installed capacity markets, and case studies from transmission providers currently using wind energy. For more information, visit Capitol Connection at <http://www.capitolconnection.gmu.edu>, and click on “FERC”, contact Sarah McKinley at 202-502-8004 or [sarah.mckinley@ferc.gov](mailto:sarah.mckinley@ferc.gov).

### CENTRAL REGION

*No news of interest to report.*

### MID-ATLANTIC REGION

*No news of interest to report.*

### MIDWEST REGION

*No news of interest to report.*

## NORTHEAST REGION

*No news of interest to report.*

## SOUTHEAST REGION

**A new wind farm is up and running in Tennessee.** By the end of the month, all 15 of the new wind turbines, part of the Southeast's only wind farm, will be producing electricity. The wind farm covers a two-mile area atop the 3,300 foot tall Buffalo and Patterson Mountains near Oliver Springs. The new wind turbines will produce 27 MW of power that will then flow into the Tennessee Valley Authority's power grid, with enough power to support 3,525 homes a day. (Source: *Power Marketing Association*, October 12, 2004)

## WESTERN REGION

**The U.S. Postal Service (USPS) has announced the completion of major energy efficiency upgrades and one of the largest Federal solar power installations in the nation.** The project is located at the USPS's West Sacramento Processing and Distribution Center. Chevron Energy Solutions developed, engineered, and constructed the project, which includes a solar photovoltaic system mounted on a new parking structure, energy-efficient lighting systems, heating, cooling and ventilation systems, air compressors, and energy management controls. The improvements will reduce the facility's electricity purchases by over \$615,000 and its power consumption by 33 percent, or about 55 kWh per year. USPS also expects to use approximately 43,000 less therms per year. (Source: *Power Marketing Association*, October 15, 2004)

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## STATE AND LOCAL GOVERNMENT ACTIVITIES

## GENERAL ANNOUNCEMENTS

**The American Council for an Energy-Efficient Economy recently presented its annual Champion of Energy Efficiency Awards to representatives of state and local government and private sector organizations that have demonstrated leadership in energy efficiency.** Winners included individuals from the California Public Utilities Commission, the Sacramento Municipal Utility District, the Northwest Power and Conservation Council, Conservation Services Group, and the Wisconsin Energy Conservation Corporation. State and local governments can find information on how to implement local energy efficiency programs at <http://www.epa.gov/globalwarming/visitorcenter/publicofficials>.

## CENTRAL REGION

**Lamar Light and Power and the Arkansas River Power Authority (ARPA) are working together to build a 6 MW wind farm southeast of Lamar, Colorado.** The site, which will include four 1.5 MW wind turbines manufactured by G.E. Wind Energy, will be owned by Lamar Light and Power (75 percent) and ARPA (25 percent). ARPA is also building a fifth turbine that will be located near Springfield, Colorado. Selection of the location was based on proximity to existing power lines, land use, and the average wind speed of 7.96 meters per second. The

three Lamar turbines are estimated to have an annual net generation of 13,809 MWh, which represents approximately 14 percent of Lamar's annual energy needs. Generated cost of the power is estimated to be between \$.04 and \$.045 per kWh, but the cost of the power may be less if Lamar qualifies for Renewable Energy Credits provided by the Department of Energy and the sale of environmentally friendly "green tags". For additional information, visit <http://www.ci.lamar.co.us/lightpower/Wind%20Energy.html>.

#### MID-ATLANTIC REGION

**The New Jersey Board of Public Utilities has asked customers for comments about its Clean Energy Program.** The board will hold a public meeting on October 27<sup>th</sup> to discuss renewing the funding of the renewable energy and energy efficiency program. Funding for the program reached its high point of \$124 million this year. Proposed funding for the program would start in the range of \$124 million to \$202 million. For more details, please visit <http://www.njcleanenergy.com>.

**The Pennsylvania Department of Conservation and Natural Resources officials dedicated a new visitor center and office at Little Buffalo State Park in Perry County.** The new facility will offer visitors improved service, comfort, and expanded environmental education opportunities. Paid for in part with Growing Greener funds, as well as Keystone Recreation Park and Conservation money, the \$1.1 million project was started in June 2003. The 5,450 square foot building features a geothermal heat pump, energy efficient lighting, a recycled metal roof, solar lighting, and fiber cement siding. For more information on Little Buffalo, call 1-888-PA-PARKS or visit <http://www.dcnr.state.pa.us> and select "State Parks".

**Governor Robert Ehrlich (R) announced plans to lease Maryland's first fuel cell vehicle, a minivan from General Motors Corporation.** The state also plans to pursue the acquisition of a hydrogen refueling station and will contact Maryland businesses and universities about the prospect of building an industrial park. The goal of developing the industrial park would be to have all parts powered by hydrogen. For more information, visit <http://media.gm.com>.

#### MIDWEST REGION

**Under the "Nature's Energy" program, Wyandotte Municipal Services (WMS), a utility member of American Municipal Power-Ohio, is offering a green power option to its electricity customers in partnership with Green Mountain Energy Company.** Customers can purchase 100 percent of their renewable energy from wind, landfill gas, and hydroelectric power sources, with an added cost of 1.5¢ per kWh (or about \$10 per month) for an average residential customer. Commercial customers can also participate in the program by purchasing renewable energy in one-MWh increments for the same premium. Part of the power for the program comes from the AMP-Ohio/Green Mountain Energy wind farm located near the City of Bowling Green. For more information, visit [http://www.ewire.com/index.cfm/display.cfm/Wire\\_ID/2295/Syndicate/1](http://www.ewire.com/index.cfm/display.cfm/Wire_ID/2295/Syndicate/1).

#### NORTHEAST REGION

**New York Governor George Pataki (R) participated in a three day conference highlighting green power marketing that began on October 4<sup>th</sup>.** The growth of renewable energy markets, new trends and initiatives, and innovative approaches, as well marketing tips and state policy opportunities, were some of the highlights. The conference was organized by the U.S. Department of Energy, the U.S. Environmental Protection Agency, and the Center for Resource Solutions. (Source: *Environmental News Service*, October 4, 2004)



**The Connecticut Clean Energy Fund has agreed to provide funding to Proton Energy Systems Inc., to design, build, and conduct a 24-month demonstration of a 5-kW Regenerative Fuel Cell (RFC) for a telecommunications site in southwestern Connecticut.** The demonstration project will offer a peak shaving and an uninterruptible power supply backup power system for voice and data network equipment. The system will also serve as a 5-kW backup power for selected critical loads. For more information, visit <http://phx.corporate-ir.net/phoenix.zhtml?c=122665&p=irol-newsArticle&ID=619043&highlight>.

**The City of Saratoga Springs, New York, one of 24 municipalities in the state that purchases wind energy, has committed to purchasing wind energy certificates equivalent to approximately 40 percent of the electricity used at its municipal facilities.** The city, under a five-year commitment with Community Energy, Inc., will purchase 2.9 million kWh at an extra cost of \$43,750 per year. The power will come from the 30-MW Fenner Windpower Project located in Madison County, New York. For more information, visit <http://albany.bizjournals.com/albany/stories/2004/09/06/daily14.html>

**New York Governor George Pataki announced that the state is awarding \$1.2 million to seven renewable energy projects.** A significant amount of funding will go toward projects to assess potential wind power development across the state, with the remainder dedicated to the investigation of a commercial-scale biomass gasification project, fueled by local renewable fuels and producing heat and power. The Governor also signed a law that allows owners of small wind turbines to connect the electrical grid and sell power back to the utility through net metering. (Source: U.S. Department of Energy, October 20, 2004)

**The Hartford, Connecticut-based non-profit SmartPower recently announced that over 1,250 electricity customers have enrolled in Narragansett Electric's "GreenUp" five months after its initiation.** Under the program, customers can purchase renewable energy from one of four participating green energy marketers, but without switching their electricity service. The non-profit conducted a marketing campaign in cooperation with Narragansett Electric to raise awareness of the program. For additional information, visit [http://www.smartpower.org/sept\\_2004.htm](http://www.smartpower.org/sept_2004.htm)

#### SOUTHEAST REGION

**In the 13-county metropolitan area surrounding Atlanta, Georgia, the Alternative Fuel Vehicle Incremental Cost Incentive Program is available to local businesses, governments, and authorities.** The program, funded through the Congestion Mitigation and Air Quality program, provides an incentive for fleets to purchase alternative fuel vehicles (AFVs) by offering funding to offset the incremental cost difference of AFVs from comparable gasoline- or diesel-powered vehicles. Applicants for this program must have a demonstrated commitment to clean alternative fuels. Additionally, there is a 20 percent matching dollar requirement for each project, as well as a 6 percent administrative fee. Vehicles must operate full-time on the clean alternative fuel. For more information, visit [http://www.gefa.org/energy\\_program.html](http://www.gefa.org/energy_program.html).

#### WESTERN REGION

**The Public Utilities Commission of Nevada has issued a requirement that Nevada Power propose a green pricing tariff in its 2005 general rate case.** Under this tariff, customers could make voluntary purchases of power from renewable energy resources and also be protected from cost increases in fossil fuels used for power generation. The commission also ruled that auxiliary renewable energy sources must be in addition to the current standards of 15



percent by 2013. For additional information, visit <http://www.lasvegassun.com/sunbin/stories/business/2004/sep/20/517539245.html>.

**As a result of a 10-week marketing and public information campaign, Puget Sound Energy, Snohomish County Public Utility District, and Tacoma Power have announced that the three utilities garnered more than 4,300 new green pricing customers.** The campaign, which began on April 15th, included television advertisements, the Internet, and electronic mail, along with utility bill inserts. Other partners in the outreach campaign included Belo Marketing Solutions, which coordinated the media efforts, and the Bonneville Environmental Foundation. For more information, visit <https://www.b-e-f.org/news/releases/092204.shtm>.

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## UTILITIES AND SUPPLIER ACTIVITIES

### CENTRAL REGION

#### ► *Public Benefits*

**According to the Oklahoma Corporation Commission, while state utilities do need outside supplies of electricity certain times of the year, the need is relatively limited.** The commission states that major utilities can produce more than 13,800 MW annually and peak demand for those utilities goes as high as 14,500 MW. Independent power producers can supply up to 4,950 MW of additional power and wind power generation provides another 176 MW of power in the state. According to commission figures, in 2003 the state had more than 2,000 MW of surplus. (Source: *Power Marketing Association*, October 18, 2004)

#### ► *Restructuring and Related Activities*

**The Wyoming Public Service Commission approved a request by Xcel Energy-Cheyenne Light to pass through to customers an increase that totals \$6.1 million.** For the average residential customer, the increase is about \$10.29, or 18 percent, per month (based on average use of eight dekatherms). Small business customers may see an increase of \$57.86 per month based on an average use of 45 dekatherms. Factors that led to the increase include an increase in the level of natural gas costs and a lower gas services contract with a natural gas pipeline company (CIG), among others, according to Darrell Zlomke, an engineer with the commission's technical staff. By law, utilities in the state are allowed to pass on wholesale cost increases or decreases to customers after a review by the Public Service Commission. Xcel-Cheyenne Light seeks adjustments once a year. (Source: *Power Marketing Association*, October 4, 2004)

**Xcel Energy Inc. is spending close to \$15 million to install 200,000 Automatic Meter Reading units at homes and businesses it serves in Boulder and Broomfield counties and parts of northern Colorado.** Xcel signed the deal with Itron Inc., a Spokane, Washington-based company it worked with to implement a similar strategy in the mid-1990s in Denver. About 110,000 meters are in Boulder. Installation began in mid-October and is expected to be completed by October 2005. The equipment will beam readings from customers' meters each

month to Xcel trucks as they drive by to collect them, reducing the frequency of estimates. Xcel says it wants to read as many meters as possible to avoid frustrating customers, which will hopefully be a result of the new technology. (Source: *Power Marketing Association*, October 18, 2004)

#### MID-ATLANTIC REGION

##### ► *Restructuring and Related Activities*

**The Pennsylvania Public Utility Commission reaffirmed a three-year rate plan for the Duquesne utility that is designed to give western Pennsylvanians more power-buying opportunity.** The regulator's only concession was to give Duquesne Light's large industrial customers an additional year to purchase electricity from the utility at a fixed price. The commission refused to give Duquesne the six-year rate plan it wanted and also failed to grant an additional rate increase. Residential consumers who stay with Duquesne rather than switch supplies will pay an extra 7 percent once the plan takes effect on January 1<sup>st</sup>, with an average monthly bill of \$54.54. (Source: *Power Marketing Association*, October 4, 2004)

**Virginia Power, the state's largest electric utility, is required by state law to join a regional grid by January 1<sup>st</sup>.** Accordingly, the utility has applied to join PJM Interconnection, a regional transmission grid. In giving Virginia Power permission to join PJM, Federal regulators left open the possibility that they would allow the utility to recover its PJM costs in future rates. Jim Roberts, a Virginia Power attorney, said joining PJM will make the utility better able to acquire electricity for its Virginia customers and will result in more reliable electric services and better prices. (Source: *Richmond-Times Dispatch*, October 18, 2004)

#### MIDWEST REGION

##### ► *Public Benefits*

**MidAmerican Energy Holding Company has begun construction of the Storm Lake Windfarm and the Blairsburg Wind Farm, both located in Iowa, totaling \$323 million.** Details can be found at <http://www.industrialinfo.com>. (Source: *Power Marketing Association*, October 13, 2004)

**Green Mountain Power announced it has signed a commitment letter to become a member of the Chicago Climate Exchange (CCX), a voluntary, legally binding multi-sector market for reducing and trading greenhouse gases.** Green Mountain Power is the first electric utility in the northeast to join CCX. This step will place Green Mountain in a growing group of business organizations that are committed to environmental stewardship. Green Mountain Power is committed to voluntarily reducing greenhouse gas emissions by four percent below its 1998-2001 baseline by 2006. (Source: *Environmental News Service*, October 12, 2004)

##### ► *Restructuring and Related Activities*

**The Ohio Consumer's Counsel has gone to the state Supreme Court to try to overturn a ruling by state regulators that would give the major natural gas provider in northwestern Ohio a potential \$100 million windfall.** The issue is in regards to the utility's interest in selling excess capacity in its pipelines. Columbia Gas wants to retain the proceeds, and the Public Utility Commission of Ohio stated last May that it could do so for the next four years, keeping up to \$25 million a year. If the utility collected \$100 in four years, it would mean depriving

customers of rebates of about \$25 a year, according to Janine Migden-Ostrander, the state's consumer counsel. She also states it violates state law governing what utilities can recover for their costs. (Source: *The Blade*, October 18, 2004)

**The Michigan Public Service Commission approved a rate increase for Consumers Energy that it said would cost an average customer \$18.48 more a year.** The rate increase will generate \$58.1 million annually for the Jackson-based utility, and will take effect within one month, lasting for two years. Customer's rates will be about 14 percent higher this year as a result. The higher costs are based on the U.S. Energy Information Administration projections that consumption of natural gas in the Midwest will rise 3.7 percent. Consumers Energy is Michigan's largest natural-gas provider, serving 1.6 million customers in Oakland and Macomb Counties and a good portion of Lower Michigan. (Source: *The Detroit News*, October 18, 2004)

**The costs to install environmental controls at the We Energies coal-fired plant will add 2 percent to the utility's customer bills, according to the utility.** The increase will result in an additional \$1.46 charge each month for the average residential customer using 750 kW. The increase will pay off \$433 million in bonds that will be sold to finance environmental projects. The projects include emissions control equipment and costs associated with the shutdown of the coal plant, located in Port Washington, Wisconsin. Another price increase being sought by the company would add \$2.76 to customer's bills to help pay for power plants. Together, an average monthly bill would go up by about six percent. (Source: *Milwaukee Journal Sentinel*, October 18, 2004)

**Vectren Energy Delivery of Ohio customers in the Dayton area can expect to pay nine percent to 14 percent more for natural gas this winter.** The average residential monthly bill will be \$125 during the five-month heating season. Last year, the average cost for the entire heating season in the Dayton area was \$568, and this year the figure is estimated to be \$633. If the area experiences cooler temperatures, the increase may not be as significant as anticipated. (Source: *Environmental News Service*, October 8, 2004)

**The Michigan Public Service Commission issued an interim rate order on Michigan Consolidated Gas Company's request to increase its service and distribution charges.** The rate increase would total \$35.3 million if it were in effect of a whole year. A typical residential customer may see an average monthly increase of less than \$1.50, or about two percent. (Source: *Power Marketing Association*, September 27, 2004)

#### NORTHEAST REGION

##### ► *Public Benefits*

**The Manufacturing Alliance of Connecticut (MAC) natural gas aggregation has saved participating members over \$900,000 during the last two years under a contract with supplier Select Energy, the competitive energy marketing arm of Northeast Utilities.** Over 70 participating members have taken part in the program since its inception in 1997. The goal of MAC, founded in 1992, is to preserve, promote, and protect manufacturing in Connecticut. MAC Energy Services is designed to help member companies save money on energy-related services. It includes energy audits, natural gas aggregation, alternative fuel aggregations, electric aggregation, seminars, and other programs. Select Energy provides electricity, natural gas, and energy services to business and institutional customers across the Northeast. (Source: *Power Marketing Association*, October 15, 2004)

## SOUTHEAST REGION

► *Restructuring and Related Activities*

**Piedmont Natural Gas, a Charlotte, North Carolina-based natural gas utility, is informing customers to expect an increase of 20 percent to 30 percent in their upcoming winter bills.** If the winter proves to be harsher than expected, increases could be even larger. Wholesale natural gas costs have risen significantly in recent months, and also reflect demand for clean-burning natural gas and accessibility to domestic sources. Wholesale natural gas costs reflect approximately 70 percent of a customer's bill and also reflect the price Piedmont pays to suppliers. Unfortunately, the costs are passed on to customers. Piedmont offers energy-assistance programs for eligible customers, including alternative payment arrangements and an Equal Payment Plan, that can help customers determine a more consistent rate. Piedmont serves customers in North Carolina, South Carolina, and Tennessee. For additional information regarding the policy, visit <http://www.piedmontng.com>. (Source: *Power Marketing Association*, October 20, 2004)

**West Palm beach-based FPU, which has 91,000 customers across Florida, is asking the Florida Public Service Commission (FPU) for a 12 percent rate hike to help offset increased health care, insurance, and pension costs.** If approved, the increase would add \$8.2 million in revenue. For residents, an average bill of 20 therms a month would go up \$3.83, to \$36.89. Commercial customers using an average of 300 therms a month would see a 13 percent increase. The last time FPU asked for a similar rate increase was 1995. FPU is asking to recover costs of \$854,985 for its Marianna Division in northwest Florida, and \$69,844 for its Fernandina Beach Division in northeast Florida. (Source: *Power Marketing Association*, October 20, 2004)

**SCE&G has asked the South Carolina Public Service Commission for permission to increase its fuel charge by 2.6 percent this winter, according to Robin Montgomery, a company spokesman.** A hearing on October 21<sup>st</sup> will consider whether the utility's 276,000 natural gas customers will see an increase. For the typical customer, a 2.6 percent increase will add \$2.70 to the monthly bill. Milder late summer temperatures have made it easier for SCE&G to build up its natural gas reserve, according to Montgomery, which may help keep SCE&G from having to purchase gas at a higher market rate during the cold snaps. The utility's 32 industrial customers can expect a 20 percent increase, which may be equal to hundreds of dollars per month. (Source: *Power Marketing Association*, October 4, 2004)

**Alabama Power Company rates are set to rise in January as the company begins to slowly pass along the \$2 billion cost of complying with Federal environmental regulations.** Rates are set to rise about one percent next year, followed by another one percent in 2006. According to commission staff estimates, the annual increases resulting from the company's environmental costs are expected to continue through 2013, varying each year. Alabama Power's residential customers will pay an average of \$12.58 more during 2005, and as much as \$148.80 during the course of the year in 2013. (Source: *Montgomery Adviser*, October 8, 2004)

## WESTERN REGION

► *Public Benefits*

**Working with the Bonneville Power Administration, the Department of Energy's Pacific Northwest National Laboratory (PNNL) is exploring the impacts of reducing electrical**

**demand and on-site energy production at several buildings in Richland, Washington, where PNNL performs research for the Federal government.** At the Applied Process Engineering Laboratory, PNNL installed a 30-kW microturbine system, which can be started remotely by the Bonneville Power Administration to produce electricity for the building during peak times. This effort can reduce the stress on transmission lines. Commercial buildings are considered an untapped resource in this effort. (Source: *Environmental News Service*, October 4, 2004)

**The Las Vegas Valley Water District Board of Directors approved a \$22.6 million contract to initiate the development and construction of a 3.1 MW photovoltaic solar energy project that will be one of the largest built by a public agency in the United States.** In a partnership with Nevada Power Company and PowerLight Corporation, the project will generate 5.3 million kWh of clean electricity per year. A focus of the project is the solar-panel structures at the Las Vegas Springs Preserve that will provide shaded visitor parking as well as sustainable energy. Construction is scheduled to begin in 2005. (Source: *Environmental News Service*, October 20, 2004)

► *Restructuring and Related Activities*

**Tacoma Power officials have requested a 5.3 percent rate increase in the spring of 2005 to help offset a predicted \$41 million shortfall in the 2005-2006 budget.** The gap is a result of “once in a generation” projects, according to Tacoma Power Superintendent Steve Klein. The projects included \$19.1 million toward fulfilling the requirements of dam relicensing on the Cowlitz River, \$23.3 million to replace aging generating units associated with one of the dams, and \$28.2 million for a planned expansion of the Tacoma Power Utilities headquarters. Other factors, such as the residual impact of the 2001 power crisis and a subsequent rate hike by Bonneville Power Administration, also contributed to the shortfall. To keep the rate increase from going higher, Tacoma Power wants to spend almost \$20 million from the utility’s cash reserves, which would leave enough to operate for 60 days. The rate increase, if approved, would generate an additional \$22.7 million. (Source: *The News Tribune*, October 18, 2004)

**The Los Angeles City Council decided to require the Department of Water and Power to obtain more of its energy from “clean” sources than state law requires.** In a 12-2 vote, the council approved a plan requiring the department to purchase 20 percent of its energy from renewable sources, excluding hydroelectricity generated at the Hoover Dam. Officials estimate increases around \$2.60 a month as a result. Under state law, the department must acquire 20 percent of its energy from renewable energy sources by 2010. (Source: *Daily News, Los Angeles*, October 8, 2004)

**Avista utilities, serving 310,000 electricity customers in Washington and Idaho, has increased the size of the wind energy blocks sold under its “Buck-a-Block” program.** When the program was initially launched, 55 kWh blocks of wind energy sold for \$1.00, or a price premium of 1.8 cents/kWh. Customers can now buy blocks at the rate of .33 cents/kWh, more than five times the amount of wind energy. The utility was able to lower its prices after signing a new power purchase agreement with PPM Energy for wind from the Stateline Wind Energy Center. For additional information, visit <http://www.avistacorp.com/news/default.asp?prid=925>.

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## PRIVATE SECTOR

### GENERAL ANNOUNCEMENTS

**The World Resources Institute (WRI) and its Green Power Market Development Group have received the 2004 National Green Power Pilot Award.** The Environmental Protection Agency, the Department of Energy, and the Center for Resource Solutions granted WRI the award from a pool of nearly 50 nominations. The Green Power Group consists of twelve commercial and industrial partners with a common goal of developing 1,000 MW of new domestic green power by 2010. Since its inception in 2000, the partnership has completed green power projects and purchases amounting to 123 MW in 330 facilities. The four-year old award is presented annually at National Green Power Marketing Conference to an individual or an organization in recognition for a significant, innovative contribution to the development of the domestic renewable energy market. (Source: *RenewableEnergyAccess.com*, October 5, 2004)

**Shaw Industries and Siemens Building Technologies have developed a process for converting carpet and wood manufacturing waste into steam energy.** This process converts post-manufacturing carpet waste (e.g., carpet selvage, seam waste, and wood flour) from Shaw's manufacturing plant to gas, which fuels a boiler to produce more than 50,000 lbs. of steam per hour. The conversion will result in cleaner emissions than the coal and fuel oil currently used and will save an estimated \$2.5 million per year for Shaw's Dalton plant. Clark Wiedetz, Sieman's Energy Business Development Manager said, "with the fluctuation of oil and gas prices, that could be a huge competitive advantage in a price sensitive industry." A conversion facility, which is being constructed next to the carpet manufacturing plant, will be completed at the end of 2005. An estimated 16,000 tons of post-manufacturing post-consumer carpet waste and 6,000 tons of wood flour will be converted in this process instead of adding to the 25 million tons of post-consumer carpet waste in landfills, or two percent of all landfill waste. (Source: *GreenBiz.Com*, October 8, 2004)

**Horizon Organic will replace the electrical power used for operations with wind energy beginning January 1, 2005.** Horizon Organic, the country's largest manufacturer of organic foods, will purchase green tags for the energy required by the entire product supply chain, from growing organic ingredients to operating warehouses. Horizon Organic follows the example of White Wave, its sister company under Dean Foods by utilizing wind energy credits. In 2003, White Wave, the country's largest manufacturer of soy food products, purchased green tags to meet the company's entire manufacturing and operational requirements. White Wave's renewable energy purchase is approximately 25,000 MWh per year for 2004. (Source: *PRNewswire*, October 14, 2004)

### CENTRAL REGION

*No news of interest to report.*

### MID-ATLANTIC REGION

*No news of interest to report.*

### MIDWEST REGION

**MidAmerican Energy is constructing 310 MW wind project in Iowa.** The \$323 million project will be built on two sites, one in north central and the second in northwest Iowa with 100

GE Wind Energy 1.5 MW wind turbines each. Initially, MidAmerican Energy expects to contribute \$1.7 billion annually to the state's economy. "I am pleased that additional wind energy facilities are now ensured of being constructed in Iowa," said Representative Latham (R), in whose Congressional district a portion of the wind project is located. "It will be a clean and renewable source of energy that will be beneficial to Iowans and our environment." The renewable energy project will help reach Iowa's goal to have 1,000 MW of renewable generation by 2010. (Source: MidAmerican Energy press release, September 24, 2004; *PowerMarketers Industry Publications*, October 14, 2004)

#### NORTHEAST REGION

**At the Environmental Protection Agency's (EPA) Climate Leaders Partners meeting in Connecticut, United Technologies Corporation (UTC) announced the Sustainable Cities Initiative.** The purpose of this new initiative is to support the development and use of green building practices in urban centers, create programs to educate the public about the need for healthier environments, and protect natural resources worldwide. As a result of UTC's new corporate philanthropic program, the company has awarded \$350,000 in first-year grants to support national green building programs and \$500,000 to Connecticut programs. National grant recipients include:

- \$55,000 to the National Trust for Historic Preservation to help apply green building principles into President Lincoln and Soldier's Homes in Washington
- \$55,000 to Habitat for Humanity NYC/Global Green USA for "Green Building and Environment"
- \$25,000 to Rocky Mountain Institute for creating white papers on sustainable engineering systems \$25,000

Additionally, UTC has awarded \$110,000 in grant funding to organizations in Connecticut, UTC's home state. (Source: *GreenBiz.com*, October 7, 2004)

**Day's Lumber Company plans to construct the first biomass boiler in the state of Maine.** Medway, Maine is about to sell 276 acres to Day's so the company can construct an industrial park powered exclusively by a 600-horsepower biomass boiler. The boiler will operate by burning wood waste from the lumber operations to power a two-MW steam turbine. Phase I; which begins with construction in January 2005, will use electricity and hot water produced by the boiler to power and heat the industrial park's businesses. During Phase II of the program, the boiler will be used to provide power to future business at the site, such as a water-bottling plant, a microbrewery, and large-scale green house operations. (Source: *Bangor Daily News*, October 14, 2004)

#### SOUTHEAST REGION

*No news of interest to report.*

#### WESTERN REGION

**Two years ago, the Los Angeles Community College District (LACCD) began a 10 year, \$2.22 billion modernization program to complete by 2008, 453 projects using a sustainable building program focusing on energy efficiency and recyclable and nontoxic materials.** Forty-eight new buildings will be constructed to qualify for LEED certification while



75 older buildings will be renovated to meet or exceed California's Title 24 energy efficiency building standards. Funding for the project was provided by two ballot measures approved by Los Angeles voters in 2001 and 2003. LACCD spokesperson, Lynn Corum, said, "The investment will result in life-cycle cost savings of about \$20 million." The sustainable elements of the construction program will be incorporated into students' lessons. Students will audit and catalog the sustainability benefits. When the project is complete and all the buildings are certified, California will have quadrupled the number of LEED buildings in the state. (Source: *Sustainable Business.com*, October 2004)

**Raymond Burr Vineyards of Novato, California, has installed 208 Sharp solar panels to create a 30-kW solar photovoltaic (PV) system.** The vineyards will power major winery operations including the tasting room, storage facilities, and two greenhouse for raising orchids, and two homes on the property while saving up to \$18,000 per year in electrical expenses. SolarCraft installed the roof-mounted system, insulated foam roofing, and a trellis shade structure to improve the energy efficiency of the buildings. Robert Benevides, owner of the vineyards, said, "We want those who enjoy our wines to know they were made with green power." When the sun is available, the PV system will operate at 100 percent of the vineyards' electric needs. California Energy Commission will give the project a rebate of almost 50 percent the cost. (Source: *RenewableEnergyAccess.com*, October 12, 2004)

**Equity Office in downtown San Francisco, California, has partnered with Northern Power Systems for a 750-kW onsite combined heat and power (CHP) project.** Northern, a firm that designs, builds and installs electric power systems, is installing a grid-connected onsite cogeneration project. The 490,000 square feet of office space will be heated and cooled with power generated by the CHP system's pair of 375-kW natural gas-fired engine generators. Once the building's power needs exceed the power supply from the onsite system, Pacific Gas & Electric's downtown network grid will provide the required electricity. The energy saving system is expected to provide about 40 percent of the building's annual electricity and 90 percent of its annual steam requirements. The building is able to qualify for California's Self-Generation Incentive Rebate, which provides cash incentives to residential and commercial customers generating their own electricity. (Source: *Distributed Energy*, September/October 2004)

**Architectural firm HOK has designed one of the first projects to be certified as U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) for Commercial Interiors, also referred to as LEED-CI.** Located in San Francisco's financial district, HOK's new 34,000 square foot office has several prominent features: an urban central location with easy access to public transportation; natural light and view through the perimeter glazing; the use of sustainable materials, including Forest Stewardship Council certified wood, resilient flooring, laminate, fabrics, carpet tiles, ceiling tiles and paint; and voluntary compliance with energy efficiency requirements outlined in California's Title 24, despite exemption as a registered historical landmark. HOK has designed four other LEED certified projects, include the Nidus Center for Scientific Enterprise in St. Louis, Whitehead Biomedical Research Facility at Emory University in Atlanta, and IBM Tivoli Systems Headquarters in Houston. (Source: *E-Wire*, September 30, 2004)

**Lifetime Health Care Medical Associates has a new 75-kW solar photovoltaic (PV) system at their downtown medical facility in Merced, California.** Renewable Technologies (RTI) installed the 624 solar PV modules and inverters on the building's rooftop. The PV system also insulates the building. The PV panels are attached to the building using a technique that does not require any roof penetration and is expected to last for more than 30 years. Pacific Gas & Electric Company's Self-Generation Incentive Program provided a substantial rebate, which

lowered costs by 47 percent. Darryl Conklin, President and CEO of RTI, said "We are leading by example, showing our children how to embrace clean energy generation, improve air quality and reduce the burden on conventional energy sources." (Source: RenewableEnergyAccess.com, October 14, 2004)

**In May 2004, FedEx Express is planning to install the nation's largest corporate solar electric system at the Oakland International Airport in California.** The 904-kW array will provide approximately 80 percent of the facility's peak load demand, which houses 1,700 employees. The solar system will cover 81,000 square feet of two rooftops of the FedEx hub with 5,769 PV modules comprised of 300,000 Sharp solar cells. Berkeley-based PowerLight Corporation will design and build the project. Additionally, the photovoltaic cells will insulate the two buildings and reduce heating and cooling costs. The project supports the environmentally sustainability goals held by the Port of Oakland, and for the City of Oakland. "FedEx is proving that solar power works for business," said Oakland Mayor Jerry Brown (D). "Thanks to the vision shown by FedEx, we're adding nearly one megawatt of zero-pollution electric generating capacity to Oakland. With this project, we're well on our way to my administration's goal of adding five megawatts of solar power in Oakland by the end of 2005." This major project follows another innovation by FedEx in California where FedEx, in partnership with Environmental Defense and Eaton Corporation, became the first company to make a long-term market commitment to develop and use hybrid electric delivery trucks. (Source: Sharp Press Release, October 18, 2004)

**With funding from a two-year, \$250,000 Federal grant, a PV training demonstration center will be constructed to train electrical workers in solar system installations.** The Nevada AFL-CIO and the Joint Apprenticeship and Training Committee are managing the program, which will continue once grants funds have been spent. A one-kW PV system will be installed for students to disassemble and reassemble as part of the training course. The PV system will also generate between 1,800 and 2,200 kWh each year. In cooperation with the training program, Nevada Power is offering rebates to homeowners and small businesses for installation of PV systems. (Source: *Las Vegas Review-Journal*, October 19, 2004)

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## **MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS**

- Refer to [Appendix D](#) – New Technologies
- Refer to [Appendix E](#) – Calendar of Upcoming Events

### GENERAL ANNOUNCEMENTS

**The Association of Energy Engineers is offering three online seminars: 1) Sustainable Green Buildings: Introduction to LEED for New Construction and Existing Buildings on November 18, 2) Motors: Operation, Efficiency & Economics on November 30, and 3) Realtime Energy System Integration on November 30.** The Sustainable Green Buildings: Introduction to LEED for New Construction and Existing Buildings seminar defines "green" buildings, covers the economics and benefits of green construction or retrofits, provides strategies to identify suitable buildings or sites for sustainable green design, covers the role of

Leadership in Energy and Environmental Design (LEED), and provides methods to develop green building projects. The Motors: Operation, Efficiency and Economics seminar covers electric motor basics; motor efficiency; power factor impact; motor maintenance; economics of energy efficient motors; *Energy Policy Act* criteria for motors, applications and examples; motor protection; motor starters; power quality and motor performance; and variable frequency drive applications. The Realtime Energy System Integration seminar covers hardware, software, and internet-enabled resources available for monitoring and assessing an organization's energy cost control investments. For more information, go to <http://www.aeecenter.org/training> or <http://www.aeecenter.org/realtime>.

#### CENTRAL REGION

**The Center for American and International Law is holding the Energy Litigation Conference in Houston, Texas, on November 11-12.** The conference will address new and emerging energy litigation trends and will survey the development of historical energy litigation issues. For more information, visit [http://www.cailaw.org/brochures/Energy\\_Litigation\\_brochure.2004.pdf](http://www.cailaw.org/brochures/Energy_Litigation_brochure.2004.pdf).

**Residential Energy Services Network (RESNET) is holding the RESNET 2005 Conference in San Antonio, Texas, on February 28 – March 2, 2005.** The conference will cover home energy ratings, residential energy efficiency financing, and building performance business development. For more information, visit <http://www.natresnet.org/conference/default.htm>.

#### MID-ATLANTIC REGION

*No news of interest to report.*

#### MIDWEST REGION

**Alliant Energy, Energy Center of Wisconsin, Focus on Energy, Wisconsin Energy Star Homes, Xcel Energy, and others are sponsoring the conference, Better Buildings: Better Business at the Kalahari Resort, Wisconsin, on February 1-2.** The conference will cover residential building and remodeling industry's best practices from national, regional and state cold-climate experts; techniques to enhance customer satisfaction, increase profitability and reduce callbacks; and science, tools and technologies needed to design, build, remodel and repair residential buildings for comfort, safety, durability, and energy efficiency. For more information, visit <https://programs.regweb.com/ECW/betterbuildings2005/generalaudience/index.cfm>.

**The Building and Design Exchange is holding Midwest 2005 Building and Design Exchange in Chicago, Illinois, on February 16-17.** The event will feature the latest products and services for commercial and residential design. For more information, visit <http://www.abcaevents.org>.

#### NORTHEAST REGION

**New Ecology Inc. is sponsoring, The Fifth Annual Regional Sustainable Development Forum: Visions of Sustainability in Cambridge, Massachusetts, on October 29.** The forum will review activities related to sustainable development, discuss future sustainable development practices, address strategies to integrate sustainable development principles and techniques, and demonstrate successful case studies. For more information, visit [http://www.newecology.org/5th\\_forum\\_live.htm](http://www.newecology.org/5th_forum_live.htm).

**New Hampshire Sustainable Energy Association is holding a workshop, Innovative Combinations of Solar Water, Roofing, Distribution Systems, and Photovoltaic Integrated Roof Systems in Lee, New Hampshire, on November 12.** The workshop will cover integrated solar thermal collectors, roofing options, integrated PV systems, low-temperature heat distributed systems, radiant flooring, a sustainable case study of the Flag Hill Winery and Distillery, and a tour of the Flag Hill Distillery. For more information, visit [http://www.nhsea.org/download/Flag\\_Hill\\_Brochure.pdf](http://www.nhsea.org/download/Flag_Hill_Brochure.pdf).

#### SOUTHEAST REGION

**Georgia Institute of Technology is sponsoring a workshop, Strategic Energy Planning in Atlanta, Georgia, on November 9.** The workshop will include five steps on Strategic Energy Planning including information gathering, developing assessments, building a plan, implementing a plan, and improving results through monitoring and feedback. For more information, visit [http://www.pe.gatech.edu/conted/servlet/edu.gatech.conted.course.ViewCourseDetails?COURSE\\_ID=418](http://www.pe.gatech.edu/conted/servlet/edu.gatech.conted.course.ViewCourseDetails?COURSE_ID=418).

**The U.S. Department of Energy (DOE), Oak Ridge National Laboratory, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), Society of Building Science Educators (SBSE), DuPont Building Innovations, and others are sponsoring Performance of Exterior Envelopes of Whole Buildings IX International Conference in Clearwater Beach, Florida, on December 5-10.** At the conference, product manufacturers, research groups, technical advisors, builders, and consultants will cover a range of building issues and solutions to major building problems. Pre- and post-conference workshops will consist of topics on window installation, strategies for occupant comfort and HVAC design, DOE Building Envelope R&D Roadmapping, Building Energy Codes, and microclimate around buildings. For more information, visit <http://www.ornl.gov/sci/buildings>.

#### WESTERN REGION

**Department of Energy, the Department of Energy's Federal Energy Management Program, Building Operator Certification (BOC) National, City of Richland, Seattle City Light, and others are holding seven BOC certification courses in Washington, which includes:** 1) Energy Conservation Techniques in Everett on November 10 and in Renton on December 16, 2) HVAC Systems and Controls in Everett on December 8-9 and in Renton on January 26-27, 3) Efficient Lighting Fundamentals in Everett on January 12 and in Renton on March 3, 4) Facility Electrical Systems on November 18 in Renton, 5) HVAC Troubleshooting and Maintenance on November 16-17 in Spokane, 6) HVAC Controls and Optimization on December 16 in Spokane, and 7) Introduction to Building Commission on February 8 in Spokane. Energy Conservation Techniques provides an understanding of energy use in commercial buildings and identifies conservation opportunities. HVAC Systems and Controls focuses on operation and maintenance of equipment and components of commercial buildings. Efficient Lighting Fundamentals covers types of lighting for economical and energy efficient lighting systems. Facility Electrical Systems provides an understanding on how electricity is distributed in a facility and common electrical distribution problems. HVAC Troubleshooting and Maintenance focuses on system performance evaluation and efficiency optimization of central boiler and chiller systems, vapor-compression cycles of AC and heat pump systems, and distribution and ventilation systems. HVAC Controls and Optimization covers energy efficient operation, maintenance, and service of HVAC controls and related devices for central air systems in commercial buildings.

Renewable Energy Access, GE Energy and Navigant Consulting are sponsoring, **POWER-GEN Renewable Energy in Las Vegas, Nevada, on March 1-3, 2005**. The conference will cover technical, regulatory, structural, economic, market issues of renewable energy, renewable fuels, and emerging energy technology sectors of the energy industry. For more information, visit <http://pgre05.events.pennnet.com>.

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## STUDIES, REPORTS, AND ANALYSES

### ENERGY AND WATER CONSERVATION

***Energy Management Handbook: 5<sup>th</sup> Edition*, Association of Energy Engineers, October 2004**

The reference book covers energy management topics including building commissioning, green buildings, boiler and steam system optimization, lighting and electrical systems, HVAC system performance, waste heat recovery, cogeneration, thermal energy storage, energy management control systems, energy systems maintenance, building envelope, industrial insulation, indoor air quality, energy economic analysis, energy procurement decision making, energy security and reliability, utility deregulation, energy project financing, in-house vs. outsourcing of energy services, and overall energy management program organization. The book can be purchased online at <http://www.fairmontpress.com/store/detail.cfm?id=188&itemid=631>.

***World Energy Engineering Congress 2004 Proceedings CD*, Association of Energy Engineers, October 2004**

The CD consists of over 100 papers from 120 experts in the commercial, industrial, institutional, and governmental energy management fields. The papers cover topics on advances in lighting efficiency, HVAC optimization, building commissioning, power quality, energy storage, submetering, building automation, energy information systems, geothermal applications, performance contracting, project financing, load profiling, gas and electric rate negotiating, cogeneration, distributed generation, fuel cell advances, photovoltaic applications, high performance facility planning, sustainable design and LEED certification, indoor air quality developments, and backup generating systems. The CD can be purchased online at [http://www.aeecenter.org/store/detail.cfm?id=873&category\\_id=6](http://www.aeecenter.org/store/detail.cfm?id=873&category_id=6).

***Dictionary of Energy Efficiency Technologies*, Association of Energy Engineers, October 2004**

The dictionary consists of entries in the energy efficiency field including advanced power system infrastructure, power options and configurations, systems of generator backup, redundancy, capacity, power, quality problems, power protection, computer-controlled systems, auditing, energy reduction, lighting systems, cogeneration, waste heat recovery and HVAC systems. The dictionary can be purchased at <http://www.fairmontpress.com/store/detail.cfm?id=188&itemid=850>.



## SOLAR AND RENEWABLE ENERGY

***Small Wind Electric System Guide: A Maryland's Consumer Guide*, National Renewable Energy Laboratory (NREL), October 2004**

This comprehensive guide opens with an explanation of wind power, including when it is practical to use, how to find the best site, and choosing the right turbine. The guide outlines in state-specific circumstances when establishing a small wind electric system in the state of Maryland. Information is provided on costs and available resources for establishing a small wind project in a small business or home. The report is available at <http://www.nrel.gov/docs/fy04osti/36411.pdf>. The guide is part of several publications by NREL to assist small wind development. NREL recently released updated and revised editions of Small Wind Consumer's guides for the United States, Idaho, Montana, and New Mexico that may be downloaded from <http://www.nrel.gov>.

## UTILITIES AND SUPPLIERS

***Green Pricing Resource Guide*, American Wind Energy Association, October 2004**

This guide introduces power providers to basic concepts involved with a successful green pricing program and provides reasons for a utility to create a green pricing program. Ed Holt, a contributor to the guide, said, "Green pricing programs are good for utilities because it gives them a chance to learn about how to offer renewable energy to their customers. It is good for customers because it allows them to exercise a choice in their electricity sources." More than 500 utilities in 34 states offer green pricing programs where participation by subscribers paying a voluntary premium rate enables above market renewable projects. The guide will be released at the Ninth National Green Power Marketing Conference in Albany, New York and is available for download from <http://www.awea.org/greenpower>.

## MISCELLANEOUS

***Sustainable Building Sourcebook, Sustainable Sources with the City of Austin, Texas, Green Building Program*, September 2004**

This on-line sourcebook provides resources on water, energy, building materials, solid waste, and more. The purpose of the sourcebook is to assist with the construction of green homes. The different areas of homebuilding are described with environmentally responsible methods. The information on policy, such as regulatory issues, is relevant to Austin, Texas and the information provided by the sourcebook is of use for educating people interested in building and/or choosing green homes. The sourcebook is available on-line at <http://www.greenbuilder.com/sourcebook>.

***2005 Fuel Economy Guide*, Department of Energy (DOE) and the Environmental Protection Agency (EPA), October 2004**

DOE and EPA recently released this year's annual guide to aid consumers in the purchase of an energy saving new vehicle. The guide features fuel economy, emissions, and safety data for Model Year 2005 vehicles, with extra fuel-saving tips for drivers. Hybrid vehicles, such as Honda's Insight and Civic Hybrid and Toyota's Prius, topped the list of fuel-efficient vehicles with an estimated 61 miles per gallon in the city. New this year is a 36 mile per gallon sport utility vehicle (SUV) hybrid Ford Escape, which leads the SUV class in fuel economy. In releasing the guide, Secretary of Energy Spencer Abraham stated, "fuel efficiency makes economic sense

while improving the nation's energy security." EPA Administrator Mike Leavitt added, "As technology continues to improve, Americans can choose fuel-efficient cars without compromising comfort or style, and this is good for the environment and the wallet." The guide is only available on-line at <http://www.fueleconomy.gov> until later this fall when printed copies will be distributed to car dealerships, public libraries. EPA operates an associated website at <http://www.epa.gov/greenvehicles> to help consumers locate the cleanest running and most fuel efficient vehicles.

***Lighting Upgrades: A Guide for Facility Managers, 2<sup>nd</sup> Edition, Association of Energy Engineers, October 2004***

The book provides step-by-step guidance on upgrading a lighting system to increase energy efficiency and productivity. Topics covered include lighting quality, upgrade strategies, lighting applications, current technologies, lighting economics, effective maintenance, lighting project implementation, and strategies to assess energy and cost saving opportunities. The book can be purchased online at <http://www.fairmontpress.com/store/detail.cfm?id=188&itemid=844>.

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## APPENDIX A

### NEW LEGISLATION OF INTEREST TO FEMP

## HOUSE

Number	Short title	Date	Sponsor	Status
<b>HR 5266</b>	<i>No Short Title</i>	October 7, 2004	Scott McInnis (R/CO)	Referred to the Committee on Ways and Means
	Amends the Internal Revenue Code of 1986 to encourage investment in facilities using woody biomass to produce electricity.			
Number	Short title	Date	Sponsor	Status
<b>H.R. 5302</b>	<i>Renewable Energy Security Act of 2004</i>	October 8, 2004	Charles Bass (R/NH)	Referred to the Committees on Energy and Commerce and Ways and Means
	Amends sec. 172 of the <i>Energy Policy Act</i> to include a provision to evaluate the use of renewable energy systems in residential buildings.			
	Defines biomass as any organic matter that is available on a renewable or recurring basis (e.g., agricultural crops and trees, wood and wood wastes and residues, etc.).			
	Provides a residential renewable energy credit up to \$3,000 per tax year and a small business renewable energy credit of an amount equal to 20 percent of the qualified system for a tax year.			
Number	Short title	Date	Sponsor	Status
<b>H.R. 5358</b>	<i>National Park Centennial Act of 2004</i>	October 9, 2004	Mark Souder (R/IN)	Referred to the Committees on Resources and Ways and Means
	Establishes in the U.S. Treasury, the National Park Centennial Fund, beginning in FY 2005 through FY 2016, to finance core operations of the national parks in the annual appropriations process.			
	Core programs include, but are not limited to maintenance backlog projects; 60 percent of the funds are to be applied to backlog projects			
	Directs the Secretary of the Interior to prepare, as part of the annual budget proposal, a list of priority projects.			

## SENATE

*No new bills of interest to report.*

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## APPENDIX B

### STATUS OF FY 2005 APPROPRIATIONS BILLS

Red text highlights developments since the last issue of *INSIGHTS*.

(In Billions)

HOUSE

SENATE

Jurisdiction/ FY 2004 Budget Request (In Billions)	302(b) Discretionary Allocations/ Approved Funding Level (In Billions)	Bill No.	Full Cmte. Mark Up	Floor Vote	Vote on Conf Rpt.	302(b) Discretionary Allocations/ Approved Funding Level (In Billions)	Bill No	Full Cmte. Mark Up	Floor Vote	Vote on Conf. Rpt.
<b>Agriculture</b> \$16.569	\$16.78 \$16.77	H.R. 4766	6/23	7/13		TBD \$16.77	S. 2803	9/14		
<b>Commerce</b> \$39.553	\$39.78 \$39.8	H.R. 4754	6/23	7/8		TBD \$39.7	S. 2809	9/15		
<b>Defense</b> \$392.585 <b>P.L. 108-287</b> <b>\$416.2</b>	\$392.14 \$416.9	H.R. 4613	6/16	6/22	7/22	TBD \$416.2	S. 2559	6/22	6/24	7/22
<b>Energy and Water Development</b> \$27.938	\$27.99 \$28.0	H.R. 4614	6/16	6/25		TBD				
<b>Homeland Security</b> <b>P.L. 108-334</b> <b>\$32 Billion</b>	\$32 \$32	H.R. 4567	6/9	6/18	10/9	TBD \$32	S. 2537	6/17	9/14	10/11
<b>Interior</b> \$19.982	\$19.73 \$19.5	H.R. 4568	6/9	6/17		TBD \$20.256	S. 2804	9/14		
<b>Labor/HHS</b> \$142.050	\$142.05 \$142.324	H.R. 5006	7/14	9/9		TBD \$142.317	S. 2810	9/15		
<b>Military Construction</b> <b>P.L. 108-324</b> <b>\$10.003</b>	\$9.553 \$10.003	H.R. 4837	7/9	7/22	10/9	TBD \$10.003	S. 2674	7/15	9/20	10/11
<b>Transportation and Treasury</b> \$25.714	\$25.714	H.R. 5025	9/8	9/22		TBD \$44.052	S. 2806	9/14		
<b>VA/HUD</b> \$92.129	\$92.129 \$92.9	H.R. 5041	7/22			TBD \$92.930	S. 2825	9/21		

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**APPENDIX C**  
**FY 2005 APPROPRIATIONS COVERED TO DATE**

**(Summary of Provisions of Interest)**

***Agriculture, Rural Development and Food and Drug Administration***  
***(page 26)***

***Commerce, Justice, State, and the Judiciary***  
***(page 27)***

***Defense***  
***(page 29)***

***Energy and Water Development***  
***(page 30)***

***Homeland Security***  
***(pages 31)***

***Interior and Related Agencies***  
***(page 33)***

***Department of Labor***  
***(page 34)***

***Military Construction***  
***(page 35)***

***Departments of Transportation and Treasury***  
***(page 38)***

***Departments of Veterans' Affairs and Housing and Urban  
Development and Independent Agencies  
(e.g., Environmental Protection Agency)***  
***(page 39)***

# AGRICULTURE, RURAL DEVELOPMENT, AND FOOD AND DRUG ADMINISTRATION

Key Program Activity	House Bill  <i>H.R. 4766</i> <b>\$16.77 Billion</b>  (Passed the House on 7/13)	Senate Bill  <i>S. 2083</i> <b>\$16.77 Billion</b>  (Passed the Committee on Appropriations on 9/14)	Budget Request (Discretionary Funding)  <b>\$16.569 Billion</b>
<b>DEPARTMENT OF AGRICULTURE</b>			<b>Statement Of Administration Policy</b>  Administration supports passage of <i>H.R. 4766</i>
<b>Buildings and Facilities and Rental Payments</b>	<b>\$165.883 Million</b> (includes <b>\$128.319 Million</b> for rental payments, <b>\$35.564 Million</b> for building operations, and <b>\$2 Million</b> for a Strategic Space Plan)	<b>\$170.870 Million</b> (includes <b>\$128.319 Million</b> in rental payments, <b>\$37.551 Million</b> in building operations, and <b>\$5 million</b> for the Strategic Space Plan)	
<b>Animal Plant Health Inspection Service, Building and Facilities</b>	<b>\$4.996 Million</b> for buildings and facilities	<b>\$4.967 Million</b> for buildings and facilities	
<b>Agriculture Research Service</b>	<b>\$202 Million</b> for buildings and facilities	<b>\$172.838 Million</b> for buildings and facilities	
<b>Renewable Energy Program for Farmers</b>	<b>\$15 Million</b> in energy grants and loans to farmers for renewable energy technologies.	<b>\$20 Million</b> in grants and loans to farmers for renewable energy technologies	
<b>FOOD AND DRUG ADMINISTRATION</b>			
<b>Facilities</b>	\$0 funding	<b>\$129.815 Million</b> in rental payments	

COMMERCE, JUSTICE, STATE, AND THE JUDICIARY  
(Bill not yet in Print)

Key Program Activity	House Bill <i>H.R. 4754</i>  \$39.8 Billion  (Passed the House on 7/8)	Senate Bill <i>S 2803</i>  \$39.7  (Passed the Committee on Appropriations on 9/15)	Budget Request (Discretionary Funding)  \$39.553 Billion
<p><b>DEPARTMENT OF COMMERCE</b></p> <p><b>National Institutes of Standards and Technologies, Facilities</b></p> <p><b>National Oceanic and Atmospheric Administration, Facilities</b></p>	<p><b>\$43.132 Million</b> for construction and major renovations at NIST campuses in Boulder, CO and Gaithersburg, MD</p> <p><b>Unspecified funding</b> for facilities (committee also directs NOAA to submit within 60 days of enactment of Act, updated long-range construction and renovation facilities plan and corresponding spending plan for FY 2005)</p>	<p><b>\$86.071 Million</b> for priority safety, capacity, maintenance, and repair projects at NIST</p> <p><b>\$9.895 Million</b> for NOAA Facility Management and Construction/ Backlog Of Maintenance and Repair</p> <p><b>\$18 Million</b> for NOAA Facility-wide maintenance</p>	<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4754</i></p>
<p><b>DEPARTMENT OF JUSTICE</b></p> <p><b>U.S. Marshals Service, Facilities</b></p> <p><b>Federal Bureau of Investigation, Facilities</b></p> <p><b>Bureau of Prisons, Facilities</b></p>	<p><b>\$1.371 Million</b> for construction</p> <p><b>\$10.242 Million</b> for construction (includes \$1.242 for recurring construction needs)</p> <p><b>\$189 Million</b> for construction, modernization, maintenance, a repair of prison and detention facilities</p>	<p><b>Not specified</b></p> <p><b>\$16,376 Million</b> for construction</p> <p><b>\$189 Million</b> for construction, modernization, maintenance, a repair of prison and detention facilities</p>	

# FEMP MONTHLY UPDATE

Key Program Activity	House Bill <i>H.R. 4754</i>  \$39.8 Billion  (Passed the House on 7/8)	Senate Bill <i>S 2803</i>  \$39.7  (Passed the Committee on Appropriations on 9/15)	Budget Request (Discretionary Funding)  \$39.553 Billion
DEPARTMENT OF STATE  Embassy Security, Construction, and Maintenance	<b>\$1.524 Billion</b> (includes \$912.320 million for priority worldwide security upgrades, acquisition, and construction and \$611.680 for non-security related costs) Provides funding for construction of 7 new embassy compounds, 2 annex buildings, 4 USAID building on secure embassy compounds	<b>\$1.376 Million</b>	

## DEFENSE

*P.L. 108-287*

Signed by the President on August 5, 2008

Key Program Activity	House Bill	Senate Bill	Budget Request (Discretionary Funding)
<b>Public Law 108-287 Provisions \$416.2 Billion</b>	<i>H.R. 4613</i>  \$416.9 Billion	<i>S. 2559</i>  \$416.2	  \$392.585 Billion
<b>Operations and Maintenance</b>  Unspecified funding for facility repairs	Unspecified funding for facility repairs	Unspecified funding for facility repairs	<b>Statement Of Administration Policy</b>  Administration supports passage of <i>H.R. 4613</i>  Administration supports passage of <i>S. 2559</i>



ENERGY AND WATER DEVELOPMENT

Key Program Activity	House Bill <i>H.R. 4614</i>  \$28 Billion  (Passed the House on 6/25)	Senate Bill  S. ____  (No Action Taken To Date)	Budget Request (Discretionary Funding)  \$27.938 Billion
<p><b>ALL AGENCIES UNDER BILL'S JURISDICTION</b></p> <p><b>DEPARTMENT OF ENERGY</b></p> <p>Renewable Energy Programs</p> <p>Electricity Transmission and Distribution</p>	<p>Directs all agencies to develop five-year budget plans for programs and agencies.</p> <p><b>\$343.173 Billion</b></p> <p><b>\$1967 Million Departmental Energy Management</b></p> <p><b>\$82.733 Million</b> Solar  <b>\$41.6 Million</b> Wind  <b>\$95.325 Million</b> Hydropower  <b>\$72.596 Million</b> Biomass and Biorefinery Systems R&amp;D  <b>\$17 Million</b> Intergovernmental  <b>\$20.711 Million</b> Program Direction (includes funding to Improve project management at Golden Field Office)</p> <p><b>\$75.345 Million</b></p>		<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4614</i>:</p> <ul style="list-style-type: none"> <li>- Encourages the House to fund the President's Hydrogen Fuel Initiative – encourages restoration of the House's \$31 million funding cut for fuel cell technologies</li> </ul>

HOMELAND SECURITY

**P.L. 108-334**

**Signed by the President on October 18, 2004**

Key Program Activity	House Bill	Senate Bill	Budget Request (Discretionary Funding)
<b>Public Law 108-334 Provisions \$32 Billion</b>	<b>H.R. 4567</b>  <b>\$32 Billion</b>  (Passed House on 6/18)	<b>S. 2537</b>  <b>\$32 Billion</b>  (Passed the Senate on 9/14)	<b>\$31.104 Billion</b>
<p><u><b>Headquarters Facility – Consolidation and Co-location of Offices</b></u></p> <p>\$65,081,000 shall remain available until expended solely for the alteration and improvement of facilities, tenant improvements, and relocation costs to consolidate Department headquarters operations.</p> <p><u><b>DHS Facilities (General)</b></u></p> <p><u><b>Bureau of Customs and Border Protection</b></u></p> <p><b>\$91.718 Million</b> to plan, construct, renovate, equip, and maintain buildings and facilities</p> <p><u><b>Immigration and Customs Service (Air and Marine Interdiction Operations, Maintenance, and Procurement)</b></u></p>	<p><b>\$65.081 Million</b> for construction and related activities.</p> <p><b>\$91.718 Million</b> to plan, construct, renovate, equip, and maintain buildings and facilities</p>	<p><b>\$65.081 Million</b> for alternation and improvement of facilities and for relocation costs to consolidate headquarters' operations</p> <p><b>Unspecified Funding</b> Directs DHS to report by 2/1/05, feasibility of establishing separate Homeland Security Pacific Region</p> <p><b>\$91.718 Million</b> to plan, construct, renovate, equip, and maintain buildings and facilities</p>	<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4567</i></p> <p>Administration supports passage <i>S. 2537</i></p>

Key Program Activity  <b>Public Law 108-334 Provisions \$32 Billion</b>	House Bill  <i>H.R. 4567</i>  \$32 Billion  (Passed House on 6/18)	Senate Bill  <i>S. 2537</i>  \$32 Billion  (Passed the Senate on 9/14)	Budget Request (Discretionary Funding)  \$31.104 Billion
<p><b>\$26.179 Million</b> for construction, renovation, equipment, and maintenance of facilities</p> <p><b><u>U.S. Coast Guard (Acquisition, Construction, and Improvements)</u></b></p> <p><b>Unspecified Funding</b> for shore facilities</p> <p><b><u>U.S. Secret Service</u></b></p> <p><b>\$3.633 Million</b> for acquisition, repair, alternation, and improvement of facilities</p> <p><b><u>Federal Law Enforcement Training Center</u></b></p> <p><b>\$44.917 Million</b> for additional real property and facilities, construction, and ongoing maintenance, facility improvements, and related expenses</p>	<p><b>\$26.179 Million</b> for construction, renovation, equipment, and maintenance of facilities.</p> <p>-----</p> <p>-----</p> <p><b>\$37.917 Million</b> for additional property and facilities, construction, maintenance, improvements, etc.</p>	<p><b>\$26.179 Million</b> for construction, renovation, equipment, and maintenance of facilities</p> <p><b>Unspecified Funding</b> for shore facilities (<b>notes that USCG invests in modern structures that are more energy-efficiency</b>)</p> <p><b>\$3.633 Million</b> for facility upgrades, continue development of Master Plan, and maintain and renovate existing facilities, including Rowley Training Center)</p> <p><b>Unspecified Funding</b> for expansion and maintenance at facility (and minor construction projects at four other buildings)</p>	

## INTERIOR AND RELATED AGENCIES

Key Program Activity	House Bill  <i>H.R. 4614</i>  \$28 Billion  (Passed the House on 6/25)	Senate Bill  S. ____  (No Action Taken To Date)	Budget Request (Discretionary Funding)  \$27.938 Billion
<p><b>ALL AGENCIES UNDER BILL'S JURISDICTION</b></p> <p><b>DEPARTMENT OF ENERGY</b></p> <p>Renewable Energy Programs</p> <p>Electricity Transmission and Distribution</p>	<p>Directs all agencies to develop five-year budget plans for programs and agencies.</p> <p><b>\$343.173 Million</b></p> <p><b>\$1967 Million Departmental Energy Management</b></p> <p><b>\$82.733 Million</b> Solar  <b>\$41.6 Million</b> Wind  <b>\$95.325 Million</b> Hydropower  <b>\$72.596 Million</b> Biomass and Biorefinery Systems R&amp;D  <b>\$17 Million</b> Intergovernmental  <b>\$20.711 Million</b> Program Direction (includes funding to Improve project management at Golden Field Office)</p> <p><b>\$75.345 Million</b></p>		<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4614</i>:</p> <ul style="list-style-type: none"> <li>- Encourages the House to fund the President's Hydrogen Fuel Initiative – encourages restoration of the House's \$31 million funding cut for fuel cell technologies</li> </ul>

DEPARTMENT OF LABOR

Key Program Activity	House Bill <i>H.R. 5006</i>  \$142.324 Billion  (Passed House on 9/9)	Senate Bill <i>S. 2810</i>  \$142.317 Billion  (Passed Committee on Appropriations on 9/15)	Budget Request (Discretionary Funding)  \$19.982 Billion
Job Corps Centers  Health and Human Services, Facilities	\$99.5 Million for buildings and facilities	Unspecified Funding  \$114 Million for buildings and facilities	Statement Of Administration Policy  Administration supports passage of <i>H.R. 5006</i>

MILITARY CONSTRUCTION

**P.L. 108-324**

**Signed by the President on October 13, 2004**

Key Program Activity  <b>Public Law 108-324 Provisions \$10.003 Billion</b>	House Bill  <b>H.R. 4837  \$10.003 Billion (Passed House on 7/22)</b>	Senate Bill  <b>S. 2674  \$10.003 Billion (Passed Senate on 9/20)</b>	Budget Request (Discretionary Funding)  <b>\$19.982 Billion</b>
<p><b><u>Military Construction</u></b> (to remain available through 9/30/09)</p> <p><b>\$1.981 Billion</b> for the Army  <b>\$1.069 Billion</b> Navy and Marine Corps  <b>\$866.331 Million</b> for the Air Force  <b>\$686.055 Million</b> for Defense-wide  <b>\$446.748 Million</b> Army National Guard  <b>\$243.043 Million</b> for the Air National Guard  <b>\$92.377 Million</b> for the Army Reserve  <b>\$44.246 Million</b> for the Naval Reserve  <b>\$123.977 Million</b> for the Air Force Reserve</p> <p><b><u>Family Housing</u></b> (construction funds to remain available through 9/30/09)</p> <p><b>\$636.099 Million</b> for Army Housing Construction  <b>\$926.507 Million</b> for Army O&amp;M  <b>\$139.107 Million</b> Navy and Marine Corps Construction  <b>\$696.304 Million</b> for</p>	<p><b>\$1.863 Billion</b> for the Army  <b>\$1.081 Billion</b> Navy and Marine Corps  <b>\$797.865 Million</b> for the Air Force  <b>\$718.837 Million</b> for Defense-wide  <b>\$394.1 Million</b> Army National Guard  <b>\$180.533 Million</b> for the Air National Guard  <b>\$116.421 Million</b> for the Army Reserve  <b>\$20.955 Million</b> for the Naval Reserve  <b>\$111.725 Million</b> for the Air Force Reserve</p> <p><b>\$636.099 Million</b> for Army Housing Construction  <b>\$926.507 Million</b> for Army O&amp;M  <b>\$139.107 Million</b> Navy and Marine Corps Construction  <b>\$696.304 Million</b> for</p>	<p><b>\$1.977 Billion</b> for the Army  <b>\$1.016 Billion</b> Navy and Marine Corps  <b>\$841.131 Million</b> for the Air Force  <b>\$696.491 Million</b> for Defense-wide  <b>\$381.765 Million</b> Army National Guard  <b>\$231.083 Million</b> for the Air National Guard  <b>\$66.325 Million</b> for the Army Reserve  <b>\$33.375 Million</b> for the Naval Reserve  <b>\$101.373 Million</b> for the Air Force Reserve</p> <p><b>\$636.099 Million</b> for Army Housing Construction  <b>\$928.907 Million</b> for Army O&amp;M  <b>\$139.107 Million</b> Navy and Marine Corps Construction  <b>\$704.504 Million</b> for</p>	<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4837</i></p> <p>Strongly supports increase in military housing privatization cap from \$850 million to \$1/35 billion.</p>

Key Program Activity	House Bill <i>H.R. 4837</i>	Senate Bill <i>S. 2674</i>	Budget Request (Discretionary Funding)
<b>Public Law 108-324 Provisions</b> <b>\$10.003 Billion</b>	<b>\$10.003 Billion</b>  (Passed House on 7/22)	<b>\$10.003 Billion</b>  (Passed Senate on 9/20)	<b>\$19.982 Billion</b>
<p>Navy and Marine Corps O&amp;M  <b>\$846.959 Million</b> for Air Force Construction  <b>\$853.384 Million</b> for Air Force O&amp;M  <b>\$49,000</b> for Defense wide construction  <b>\$49.575 Million</b> for Defense-wide O&amp;M</p> <p><u><b>Military Housing Privatization Initiative (MPHI)</b></u></p> <p><b>Use of Sustainable Design Standards by DOD</b></p> <p><b>Water-Saving Technology</b></p>	<p>Navy and Marine Corps O&amp;M  <b>\$846.959 Million</b> for Air Force Construction  <b>\$854.666 Million</b> for Air Force O&amp;M  <b>\$49,000</b> for Defense wide construction  <b>\$49.575 Million</b> for Defense-wide O&amp;M</p> <p><b>Recommends raising or eliminating the budgetary cap</b> on MHPI and addressing scoring methodology changes proposed by the Congressional Budget Office.</p> <p><b>Encourages DOD to use sustainable building design and construction methods;</b> House expressed concern about rating systems used by DOD to assess standards of sustainable design and construction that may unfairly discriminate against domestic producers of wood products</p>	<p>Navy and Marine Corps O&amp;M  <b>\$846.959 Million</b> for Air Force Construction  <b>\$856.114 Million</b> for Air Force O&amp;M  <b>\$49,000</b> for Defense wide construction  <b>\$49.575 Million</b> for Defense-wide O&amp;M</p> <p><b>\$60 Million</b> House maintains strong interest in renewable energy resources and commends the services for their efforts and the receipt of a Presidential</p>	



Key Program Activity	House Bill	Senate Bill	Budget Request (Discretionary Funding)
<b>Public Law 108-324 Provisions</b> <b>\$10.003 Billion</b>	<b>H.R. 4837</b>  <b>\$10.003 Billion</b>  (Passed House on 7/22)	<b>S. 2674</b>  <b>\$10.003 Billion</b>  (Passed Senate on 9/20)	<b>\$19.982 Billion</b>
<b>Energy Conservation Investment Program (ECIP)</b>  <b>Barracks Construction</b>  <u><b>Final Bill – Emergency Assistance</b></u>  Provides funding for various agencies (e.g., Federal Prison System, EPA, DOD, NOAA) additional funding for hurricane emergency assistance, including funds for facilities	<b>Encourages DOD to (continue to) use water-saving technologies</b> in the construction of new and improvement of existing DOD facilities	Award for Federal Energy Management.  <b>\$1,015.1 Billion</b> for the construction of Military Barracks	

## DEPARTMENTS OF TRANSPORTATION AND TRESURY

Key Program Activity	House Bill <i>H.R. 5025</i>  <b>\$25.4 Billion</b>  (Passed House on 9/22)	Senate Bill <i>S. 2806</i>  <b>\$44.052 Billion</b>  (Passed Committee on Appropriations on 9/14)	Budget Request (Discretionary Funding)  <b>\$87.9 Billion</b>
<p><b>Department of Treasury</b></p> <p>Treasury Building and Annex - \$20,316 million for repair and restoration.</p> <p><b>General Services Administration</b></p> <p>Federal Building Fund (funding expires September 30, 2006)</p> <p><b>Miscellaneous</b></p>	<p>\$0 New Funding</p> <p><b>\$522.251 Million</b> New Construction (directs GSA to continue to work with the Administrative Office of the Courts on the office's five -year plan and priority ranking recommendations).</p> <p><b>\$931.211 Million Repairs and Alterations</b> (includes \$30 million for GSA's Energy Program and \$49.699 million for the Design Program).</p> <p><b>\$1.7 Million</b> White House Restoration Project (for the design and replacement of equipment for existing cooling towers and related equipment).</p>	<p>\$0 New Funding</p> <p><b>\$71.823 Million</b> New Construction</p> <p><b>\$980.222 Million Repairs and Alterations</b> (includes \$30 million for GSA's Energy Program and \$49.699 million for the Design Program).</p> <p><b>\$1.9 Million</b> White House Restoration Project (for the design and replacement of equipment for existing cooling towers and related equipment).</p>	<p><b>Statement Of Administration Policy</b></p> <p>Administration supports passage of <i>H.R. 4614</i>:</p> <ul style="list-style-type: none"> <li>- Encourages the House to fund the President's Hydrogen Fuel Initiative – encourages restoration of the House's \$31 million funding cut for fuel cell technologies</li> </ul>

**DEPARTMENTS OF VETERANS' AFFAIRS AND HOUSING AND URBAND  
DEVELOPMENT AND INDEPENDENT AGENCIES  
(E.G., ENVIORMENTATL PROTECTION AGENCY)**

<b>Key Program Activity</b>	<b>House Bill <i>H.R.5041</i>  \$92.9 Billion  (Passed Committee on Appropriations on 7/22)</b>	<b>Senate Bill <i>S. 2825</i>  \$92.930 Billion  (Passed Committee on Appropriations on 9/21)</b>	<b>Budget Request (Discretionary Funding)  \$92.1 Billion</b>
<b>DEPARTMENT OF VETERANS' AFFAIRS</b>			<b>Statement Of Administration Policy</b>
Major Construction	<b>\$458.8 Million</b>	<b>\$458.8 Million</b>	
Minor Construction	<b>\$230.799 Million</b>	<b>\$230.799 Million</b>	
<b>ENVIRONMENTAL PROTECTION AGENCY</b>			
Buildings and Facilities	<b>\$39 Million</b>	<b>\$40 Million</b>	

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## APPENDIX D – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<b>HVAC</b>			
<b>New BACnet Control System</b>	York	Provides complete BACnet connectivity from the smallest terminal unit to the largest chiller. Provides cost savings, unsurpassed communication capability, and greater system control flexibility.	<a href="http://www.york.com">http://www.york.com</a>
<b>CalPoint</b>	Universal Flow Monitors Inc.	Flowmeter and temperature transmitter measures and balances chilled-water flows in HVACR applications. Helps assure air conditioning efficiency throughout a building.	<a href="http://www.flowmeters.com">http://www.flowmeters.com</a>
<b>HVAC Mini DataLoggers</b>	E Instruments	Includes MiniLog T (Temperature) and MiniLog T+RH (Temp + Relative Humidity). Provides advanced data logging capabilities.	<a href="http://www.einstrumentsgroup.com">http://www.einstrumentsgroup.com</a>
<b>EffHVAC</b>	Efficiency Technologies Inc.	Online diagnostic service gives facilities ability to document, monitor, evaluate, and manage centrifugal chiller system performance	<a href="http://www.EffTec.com">http://www.EffTec.com</a>
<b>LIGHTING</b>			
<b>Quicktronic T8 Ballasts</b>	OSRAM SYLVANIA	Uses up to 6% (2 to 7-W) less energy than standard electronic ballasts.	<a href="http://www.sylvania.com">http://www.sylvania.com</a>
<b>Mark 5 Electronic Ballasts</b>	Advance Transformer	For the operation of one, two, and three 17-watt, 25-W, and 32-W T8 fluorescent lamps. Operation at any input voltage from 120 to 277 V, 50/ 60Hz.	<a href="http://www.advancetransformer.com">http://www.advancetransformer.com</a>
<b>Custom Inspection Lights</b>	Paramount Industries'	Meets lighting requirements for inspection booths. Requirements vary with the types of defects at issue.	<a href="http://www.paramountlighting.com">http://www.paramountlighting.com</a>
<b>Pro32 Software</b>	WAGO	Enables users to monitor and control building lighting. Provides up to 400 ma of supply current, eliminates noise, controls environment, and saves energy.	<a href="http://www.wago.com">http://www.wago.com</a>

## F E M P M O N T H L Y U P D A T E

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<b>ENERGY MANAGEMENT TOOLS</b>			
<b>Green Power Analysis Tool 2.0</b>	World Resources Institute and Green Power Market Development Group	Microsoft Excel-based spreadsheets allow users to assess financial characteristics of green-power projects, contributions projects make to corporate environmental goals related to clean air and climate change. Quantifies reduced carbon-dioxide, nitrogen-oxides, and sulfur-dioxide emissions. Calculates cost of achieving reductions in standard metrics.	<a href="http://www.thegreenpowergroup.org/gpat">http://www.thegreenpowergroup.org/gpat</a>
<b>Responsible Environmental Steps, Opportunities to Lead by Voluntary Efforts (RESOLVE) Program Web Tool</b>	Environmental Protection Agency and Department of Energy	Provides guidance to companies on maximizing energy savings in existing and new energy efficiency programs.	<a href="http://www.businessroundtable.org/taskforces/taskforce/issue.aspx?qs=6EC5BF159FF49514481138A6DF61851159169FEB56A3FB0AE">http://www.businessroundtable.org/taskforces/taskforce/issue.aspx?qs=6EC5BF159FF49514481138A6DF61851159169FEB56A3FB0AE</a>
<b>WATER EFFICIENCY</b>			
<b>Storm-Klear</b>	Vanson HaloSource	Consists of sand filtration and passes Washington State Department of Ecology's new environmental regulations for stormwater runoff.	<a href="http://www.vanson.com">http://www.vanson.com</a>
<b>Hydrant Pressure Recorder</b>	Telog Instruments	Updated hydrant pressure recorder with new measurement range of -15 to + 200 PSI to satisfy negative pressure events in water distribution systems	<a href="http://www.telog.com">http://www.telog.com</a>
<b>UF Membranes</b>	Koch Membrane Systems	10" diameter membrane contains 60% more membrane area and provides 60% more product water. Can reduce system floor space requirements by 50% and lower building costs on per gallon basis.	<a href="http://www.kochmembrane.com">http://www.kochmembrane.com</a>
<b>Bullhorn® Wireless Remote Monitoring</b>	American Innovations	Monitors water and wastewater related remote equipment including wells, pumps, lift stations, storage tanks, effluent overflow, pressure, pH, temperature, using wireless technology. Notifies users by fax, email, or page when the status of a piece of equipment has reached a pre-programmed alarm situation.	<a href="http://www.aimonitoring.com">http://www.aimonitoring.com</a>

## F E M P   M O N T H L Y   U P D A T E

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
<b>MISCELLANEOUS</b>			
<b>Power Converter</b>	Ballard	30-kW converter designed for photovoltaic (PV) applications. Efficient commercial inverter provides peak inverter efficiency of 97%, transformer efficiency of 97.5%, and standby tare losses of 25-W.	<a href="http://www.ballard.com">http://www.ballard.com</a>
<b>New 500kW Grid Connected PowerGate™ Photovoltaics Inverter</b>	SatCon Technology Corporation ®	Also includes designs for 50kW, 100kW, 225kW, and 500kW three-phase applications and 15-30kW single-phase applications. Eliminates the need for independent components and field wiring resulting in a cost effective alternative for solar integrators. Designed to meet UL1741 certification.	<a href="http://www.satcon.com">http://www.satcon.com</a>
<b>Solar Cell Panels</b>	IQ Marine's Sunovation GmbH	Semi-transparent, flexible, and available in a wide spectrum of colors. Allows for unlimited creativity and adaptability in architectural design.	<a href="http://www.sunovation.de">http://www.sunovation.de</a>
<b>CD-ROM Catalog</b>	Baldor	Allows users to access a wide variety of technical information on more than 6500 different Baldor motors, drives, and generators. Product information includes performance test data.	<a href="http://www.baldor.com">http://www.baldor.com</a>

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## APPENDIX E

### MEETINGS, CONFERENCES, AND OTHER EVENTS

**NOTE:** New events are highlighted in **blue**.  
DOE-sponsored events are highlighted in **green**.

**FEMP Training Calendar:** <http://www.eere.energy.gov/femp/newsevents/events.cfm>

#### GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
November 1, 2004	Utility Cost Control	Association of Energy Engineers
<b>November 18, 2004</b>	<b>Sustainable Green Buildings: Introduction to LEED for New Construction and Existing Buildings</b>	<b>Association of Energy Engineers</b>
<b>November 30, 2004</b>	<b>Motors: Operation, Efficiency and Economics</b>	<b>Association of Energy Engineers</b>
<b>November 30, 2004</b>	<b>Realtime Energy System Integration</b>	<b>Association of Energy Engineers</b>
<b>Ongoing</b>	<b>FEMP Lights</b>	<b>Department of Energy's Federal Energy Management Program</b>

#### CENTRAL

DATE	EVENT	SPONSOR
<b>November 3-4, 2004</b>	<b>Hands-On Distributed Energy Resources (DER) Training Albuquerque, NM</b>	<b>Department of Energy's Federal Energy Management Program</b>
<b>November 11-12, 2004</b>	<b>Energy Litigation Conference Houston, TX</b>	<b>Center for American and International Law</b>
<b>January 20-21, 2005</b>	<b>Harvesting Clean Energy V Great Falls, MT</b>	<b>Montana's Office of the Governor and Office of the Secretary of State, National Center for Appropriate Technology, U.S. Department of Energy and many others</b>

# FEMP MONTHLY UPDATE

## MID-ATLANTIC

DATE	EVENT	SPONSOR
<b>October 28, 2004</b>	<b>Federal Energy and Water Management Awards Washington D.C.</b>	<b>Department of Energy's Federal Energy Management Program</b>
November 17-18, 2004	Plant Engineering and Facilities Maintenance Show King Prussia, PA	Plant Safety and Maintenance, Electrical Contracting and Engineering News, and Total Industrial Plant Solutions
December 3-4, 2004	5 <sup>th</sup> Annual Green Living and Energy Expo Roanoke, VA	Association of Energy Conservation Professionals
April 10-12, 2005	Engineering Sustainability 2005 Pittsburgh, PA	University of Pittsburgh's Mascaro Sustainability Initiative in the School of Engineering

## MIDWEST

DATE	EVENT	SPONSOR
<b>February 1-2, 2004</b>	<b>Better Buildings: Better Business Kalahari Resort, WI</b>	<b>Alliant Energy, Energy Center of Wisconsin, Focus on Energy, Wisconsin Energy Star Homes, Xcel Energy and others</b>
<b>February 16-17, 2004</b>	<b>Midwest 2005 Building and Design Exchange Chicago, IL</b>	<b>Building and Design Exchange</b>

## NORTHEAST

DATE	EVENT	SPONSOR
<b>October 29, 2004</b>	<b>Fifth Annual Regional Sustainable Development Forum: Visions of Sustainability Cambridge, MA</b>	<b>New Ecology Inc.</b>
<b>November 12, 2004</b>	<b>Workshop on Innovative Combinations of Solar Hot Water, Roofing, Distribution Systems, and Photovoltaic Integrated Roof Systems Flag Hill Winery, NH</b>	<b>New Hampshire Sustainable Energy Association</b>



## F E M P   M O N T H L Y   U P D A T E

DATE	EVENT	SPONSOR
November 18-19, 2004	Energy In Schools Albany, NY	Wendel Duchscherer, New York State Energy Research and Development Authority, and TRC

### SOUTHEAST

DATE	EVENT	SPONSOR
<b>October 31, 2004</b>	<b>The Steam System Improvement Workshop Atlanta, GA</b>	<b>Department of Energy's Southeast Regional Office</b>
November 8-10, 2004	Energy Programs Leveraging Conference St. Petersburg, FL	National Community Action Foundation
<b>November 9, 2004</b>	<b>Strategic Energy Planning Atlanta, GA</b>	<b>Georgia Institute of Technology</b>
<b>December 5-10, 2004</b>	<b>Performance of Exterior Envelopes of Whole Buildings IX International Conference Clearwater Beach, FL</b>	<b>Department of Energy, Oak Ridge National Laboratory, American Society of Heating, Refrigerating, and Air-Conditioning, DuPont Building Innovations, Society of Building Science Educators and others</b>

### WESTERN

DATE	EVENT	SPONSOR
<b>October 28, 2004</b>	<b>Building Commissioning to Optimize Efficiency and Operations at Federal Facilities Irwindale, CA</b>	<b>Department of Energy's Federal Energy Management Program</b>
November 10-12, 2004	Greenbuild International Conference and Expo Portland, OR	U.S. Green Building Council

## F E M P   M O N T H L Y   U P D A T E

DATE	EVENT	SPONSOR
<b>November 10, 2004</b>	<b>Energy Conservation Techniques Everett, WA</b>	<b>Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others</b>
<b>November 16-17, 2004</b>	<b>HVAC Troubleshooting and Maintenance Spokane, WA</b>	<b>Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others</b>
<b>November 18, 2004</b>	<b>Facility Electrical Systems Renton, WA</b>	<b>Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others</b>
<b>November 18, 2004</b>	<b>Building Commissioning to Optimize Efficiency and Operations at Federal Facilities San Francisco, CA</b>	<b>Department of Energy's Federal Energy Management Program</b>
<b>December 3, 2004</b>	<b>Houses that Work Stockton, CA</b>	<b>Energy and Environmental Building Association</b>
<b>December 8-9, 2004</b>	<b>HVAC Systems and Controls Everett, WA</b>	<b>Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others</b>

# FEMP MONTHLY UPDATE

DATE	EVENT	SPONSOR
December 16, 2004	Energy Conservation Techniques Renton, WA	Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others
December 16, 2004	HVAC Controls and Optimization Spokane, WA	Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others
January 12, 2005	Efficient Lighting Fundamentals Everett, WA	Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others
January 26-27, 2005	HVAC Systems and Controls Renton, WA	Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others
February 8, 2005	Introduction to Building Commissioning Spokane, WA	Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others

## F E M P   M O N T H L Y   U P D A T E

DATE	EVENT	SPONSOR
<b>March 1-3, 2005</b>	<b>POWER-GEN Renewable Energy Las Vegas, NV</b>	<b>Renewable Energy Access, GE Energy, and Navigant Consulting</b>
<b>March 3, 2005</b>	<b>Efficient Lighting Fundamentals Renton, WA</b>	<b>Department of Energy's Federal Energy Management Program, Department of Energy Region X, Avista Utilities, Benton County PUD, Puget Sound Energy, City of Richland and many others</b>

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